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Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 10/074,068

Filing Date 2/12/02

First Named Inventor Xuecheng Liang

An Unit 1742

Examiner Name Deborah Yee

Attorney Docket Number 1655,3002,001

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	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	· Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Te		
DA		Abstract JP06256889	09-13-1994	Kimura Hiroyuki	Abstract			
1:-		JP 06256889	09-13-1994	Kimura Hiroyuki	Abstract			
		Abstract JP10068041	03-10-1998	Tsujimoto Yutak	Abstract			
		JP 1068041	03-10-1998	Tsukimoto Yutak	Abstract			
		EP 0 430 241 A1	06-05-1991	Hitachi Metals	Abstract			
U		EP 0 665 068 A1	08-02-1995	Hitachi Metals	Abstract			

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Examiner Signature	Dehorah	Tel	. ,	Date Considered	5-25-05

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Examiner Name	Deborah Yee			
Attorney Docket Number	1655 3002 001			

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•		Country Code ² Number ⁴ Kind Code ³ (If known)	MM-DD-YYYY		Or Relevant Figures Appear	T°	
OY.		EP 0 559 899 A1	09-15-1993	Kawasaki Steel	Abstract .		
1		Abst. JP2001040458	02-13-2001	Nippon Funmatsu	Abstract		
		JP 2001040458	02-13-2001	Nippon Funmatsu	Abstract		
		Abst. JP2000280009	10-10-2000	Kogi Corp.	Abstract		
		JP 2000280009	10-10-2000	Kogi Corp.	Abstract		
7		Abst. JP 08209299	08-13-1996	Nippon Steel	Abstract		

Examiner Signature	Deharah	Yel	. Date Considered	5-25-05

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Sheet 13

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DA		JP 08209299	08-13-1996	Nippon Steel	Abstract	
1		Abst. JP11061320	03-05-1999	Kougi KK	Abstract	
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		Abst. JP02030730	02-01-1990	Hitachi Metals	Abstract	
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V		Abst. JP03013542	01-22-1991	Kubota Corp.	Abstract	

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Sheet · 4

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known Application Number 10/074,068 Filing Date 2/12/02 First Named Inventor **Xuecheng Liang** Art Unit 1742 **Examiner Name** Deborah Yee **Attorney Docket Number** 1655.3002.001

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